

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark J. Danielson on September 11, 2009.

The application has been amended as follows:

In claim 6, lines 11-13 are changed to the following:

“combining the selected portion of a second signal sample of the plurality of signal samples with the first PN code chip to obtain a second product, wherein the second signal sample succeeds the first signal sample, where the selected portion is either an odd portion or an even...”

In claim 25, lines 8-9 are changed to the following:

“selecting one of the even sample and the odd sample of the selected portion of the first signal sample pair using an odd-even switch;”

EXAMINER'S STATEMENTS OF REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: Claims 1, 3, 6, 8, 10, 16, 18, 20-22, 25, 26, 33, and 34 are allowable over prior art references, in particular Davidovici (previously cited in Office Action 5/27/2008), because related references do not disclose signal sample pairs including in-phase and quadrature phase portions and even/odd samples, wherein the in-phase portion or quadrature phase portion of the pair is selected before the even or odd sample of the portion. The selected portion of the selected sample is then multiplied with a PN code chip. In Davidovici, the even/odd portion is selected first requiring registers and more switches to perform this operation. As disclosed in the Remarks filed on 11/25/2008, selecting the in-phase and quadrature phase portion of the pair prior to selection of the even or odd sample of the portion reduces the circuitry of the matched filter by eliminating such components as the registers.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CURTIS B. ODOM whose telephone number is (571)272-3046. The examiner can normally be reached on Monday- Friday, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Curtis B. Odom/
Primary Examiner, Art Unit 2611
September 12, 2009